

Datasheet: AHP1808

Description:	GOAT ANTI HUMAN CD184 / CXCR4
Specificity:	CD184 / CXCR4 (N-TERMINAL)
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin	▪			1/150
ELISA	▪			1/25000
Immunoprecipitation			▪	
Western Blotting	▪			1/250

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Species Cross Reactivity	Reacts with: Rat N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Antiserum Preparation	Antiserum to human CD184 / CXCR4 (NT) was raised by repeated immunisation of goats with highly purified antigen. Purified IgG was prepared by affinity chromatography.
Buffer Solution	Phosphate buffered saline
Preservative	0.1% Sodium Azide (NaN ₃)
Stabilisers	0.1% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	Synthetic peptide TEEMGSGDYDSMKEPCFREANANFNKC corresponding to amino acids 17-43 within the N-terminal region of human CD184 / CXCR4.

**External Database
Links**

UniProt:

[P61073](#) [Related reagents](#)
[O08565](#) [Related reagents](#)

Entrez Gene:

[7852](#) CXCR4 [Related reagents](#)
[60628](#) Cxcr4 [Related reagents](#)

Synonyms

Cmkar4

Specificity

Goat anti Human CD184 / CXCR4 antibody recognises an epitope within the N-terminal (NT) region of human CD184, otherwise known as CXCR4 (C-X-C chemokine receptor type 4), a transmembrane glycoprotein and member of the G-protein coupled receptor 1 family, ubiquitously expressed in blood and tissue cells, which acts as a specific receptor for the chemokine SDF-1 (Stromal cell-derived factor 1).

Interaction of CD184 with SDF-1 mediates the chemotaxis of progenitor and mature blood cells, and is critical for B- lymphopoiesis and myelopoiesis. CD184 is a major co-receptor for infection by T-cell tropic strains of HIV1, and also a primary receptor for some HIV2 isolates.

This Goat anti Human CD184 / CXCR4 antibody is reported as being suitable for use in immunofluorescence studies.

**Histology Positive
Control Tissue**

Spleen

Storage

Store at +4°C or at -20°C if preferred.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life

18 months from date of despatch.

**Health And Safety
Information**

Material Safety Datasheet documentation #10304 available at:
10304: <https://www.bio-rad-antibodies.com/uploads/MSDS/10304.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)

**North & South
America**

Tel: +1 800 265 7376

Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

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